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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/664,733	09/18/2003	Kenzo Okamoto	WAM-04601	4719
75	90 08/12/2		EXAM	INER
Patent Group		ADDISON, KAREN B		
Choate, Hall & Exchange Place		ART UNIT	PAPER NUMBER	
53 State Street		2834		
Boston, MA 0	2109-2804	DATE MAILED: 08/12/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

	A 1: 4: N .	A 1! 4/ - \			
	Application No.	Applicant(s)			
Office Action Summany	10/664,733	OKAMOTO ET AL.			
Office Action Summary	Examiner	Art Unit			
	Karen B Addison	2834			
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet with	n the correspondence address			
A SHORTENED STATUTORY PERIOD FOR R THE MAILING DATE OF THIS COMMUNICATION  Extensions of time may be available under the provisions of 37 Clafter SIX (6) MONTHS from the mailing date of this communication  If the period for reply specified above, the maximum statutory properties to reply within the set or extended period for reply will, by a Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, may a report. In a reply within the statutory minimum of thirty teriod will apply and will expire SIX (6) MONT! Is statute, cause the application to become ABA	oly be timely filed  (30) days will be considered timely.  HS from the mailing date of this communication.  NDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on					
	This action is non-final.				
,	<del>/ -</del>				
Disposition of Claims					
4)  Claim(s) <u>1-8</u> is/are pending in the applicate 4a) Of the above claim(s) is/are with 5)  Claim(s) is/are allowed.  6)  Claim(s) <u>1-8</u> is/are rejected.  7)  Claim(s) is/are objected to.  8)  Claim(s) are subject to restriction and subject t	hdrawn from consideration.				
Application Papers					
9)☐ The specification is objected to by the Exa	miner.				
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.					
Applicant may not request that any objection to	o the drawing(s) be held in abeyand	ee. See 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the α					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of:  1. Certified copies of the priority docur 2. Certified copies of the priority docur 3. Copies of the certified copies of the application from the International But * See the attached detailed Office action for a	ments have been received. ments have been received in Ap priority documents have been r ureau (PCT Rule 17.2(a)).	oplication No received in this National Stage			
Attachment(s)					
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-94)</li> </ol>		ımmary (PTO-413) /Mail Date			
Notice of Draitsperson's Patent Drawing Review (P10-94)     Information Disclosure Statement(s) (PTO-1449 or PTO/S Paper No(s)/Mail Date 9/03.		ormal Patent Application (PTO-152)			

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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Yoshihiro (JP2002-084160).

Yoshihiro discloses a surface acoustic wave device in figs. 1-4 comprising: a substrate (21) for a surface-mounting; a pair of connecting electrodes(22,23) disposed on a principal surface of the substrate; a crystal blank(3) having excitation electrodes(31,33) and extension electrodes extending from the excitation electrodes to respective opposite sides of an end of the crystal, the opposite sides being fixed to the connecting electrodes by an electrodes by an electrically conductive adhesive(4); and a ridge(5) corresponding to the end of the crystal blank and disposed on the substrate in spaced relation to the connecting electrodes, the ridge having a height greater than a thickness of the connecting electrodes, the electrically conductive adhesive being applied to the connecting electrodes, a spacing between the connecting electrodes and the ridge, and an upper surface of the ridge; the crystal blank having an opposite end which remains lifted about the ridge, an upper surface of the ridge; the crystal blank having an opposite

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end which remains lifted about the ridge from the principal surface of the substrate under shrinking forces of the electrically conductive adhesive. Wherein, the ridge is made of an insulating material (ceramic), and the ridge comprises a pair of ridges associated respectively with the connecting electrodes. Crystal blank also have an opposite end which remains lifted about the ridge from the principal surface of the substrate under shrinking forces of the electrically conductive adhesive.

Yoshihiro further disclose the substrate (21) and the frame wall(27) jointly defining a recess(20), the crystal blank being accommodated in the recess.

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen B Addison whose telephone number is 571-272-2017. The examiner can normally be reached on 8:00 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on 571-272-2204. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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KBA 8/6/04

THOMAS M. DOUGHERTS
PRIMARY EXAMINER

GROUP 2109